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Permit No. ST 6191
Issuance Date: July 15, 2004
Effective Date: August 1, 2004
Expiration Date: July 30, 2009

STATE WASTE DISCHARGE PERMIT NUMBER ST 6191

STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

Southwest Regional Office

In compliance with the provisions of the
State of Washington Water Pollution Control Law
Chapter 90.48 Revised Code of Washington, as amended,
and
the Federal Water Pollution Control Act
(The Clean Water Act)
Title 33 United States Code, Section 1251 et seq.,
authorizes

to discharge wastewater in accordance with the special and general conditions which follow.

Sierra Pacific Industries, Aberdeen Division

301 Hagara Street

Aberdeen, WA 98520

Facility Address: 301 Hagara Street

Aberdeen, WA 98520

Discharge Location

Latitude: 46° 58' 27" N

Longitude: 123° 46' 23" W

Publicly Owned Treatment Works (POTW) Receiving Discharge:

Aberdeen Wastewater Treatment Plant

Industry Type: Sawmill with associated electrical
cogeneration facility

SIC Code: (for permitting limits) 4911

Kelly Susewind, P.E., P.G.
Southwest Region Manager
Water Quality Program

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SUMMARY OF PERMIT REPORT SUBMITTALS

Refer to the Special and General Conditions of this permit for additional submittal requirements.

Permit Section	Submittal	Frequency	First Submittal Date
S3.A.	Discharge Monitoring Report	Monthly	September 15, 2004
S4.A.	Operation and Maintenance Manual	1/permit cycle	February 1, 2005
G7.	Permit Application	1/permit cycle	January 2, 2009

SPECIAL CONDITIONS

S1. DISCHARGE LIMITATIONS

All discharges and activities authorized by this permit shall be consistent with the terms and conditions of this permit. The discharge of any of the following pollutants more frequently than, or at a concentration in excess of, that authorized by this permit shall constitute a violation of the terms and conditions of this permit.

Beginning on the effective date and lasting through the expiration date of this permit, the Permittee is authorized to discharge wastewater to The Aberdeen sewer system subject to the following limitations:

	EFFLUENT LIMITATIONS	
Parameter	Average Monthly ^a	Maximum Daily ^b
Flow, gpd	10080	14000
pH, S.U.	Must remain between 6 and 9	
BOD ₅ , mg/L	300	300
Total Suspended Solids, mg/L	350	350
Oil and Grease, mg/L	300	300
Temperature, °C	65	65
Total Arsenic, mg/L	0.2	0.2
Total Chromium, mg/L	0.2	0.2
Total Zinc, mg/L	1.0	1.0
126 Priority Pollutants ^c less As, Cr, and Zn, µg/L	Non-detect	Non-detect
^a The average monthly effluent limitation is defined as the highest allowable average of daily discharges over a calendar month, calculated as the sum of all daily discharges measured during a calendar month divided by the number of daily discharges measured during that month.		
^b The maximum daily effluent limitation is defined as the highest allowable daily discharge. The daily discharge means the discharge of a pollutant measured during a calendar day. For pollutants with limitations expressed in units of mass, the daily discharge is calculated as the total mass of the pollutant discharged over the day.		
^c See Appendix A		

S2. MONITORING REQUIREMENTS

A. Wastewater Monitoring

The Permittee shall monitor the wastewater according to the following schedule:

Parameter	Units	Sample Point	Sampling Frequency	Sample Type
Flow	MGD	Waste Pump	Continuous ¹	Metered
BOD	mg/L	Cooling Tower Waste Tank	1/Month ²	Grab
TSS	mg/L	Cooling Tower Waste Tank	1/Month ²	Grab
pH	Standard Units	Cooling Tower Waste Tank	1/Month ²	Grab
O&G	mg/L	Cooling Tower Waste Tank	1/Month ²	Grab
Temperature	°C	Cooling Tower Waste Tank	1/Month ²	Grab
Total Arsenic	mg/L	Cooling Tower Waste Tank	1/Month ²	Grab
Total Chromium	mg/L	Cooling Tower Waste Tank	1/Month ²	Grab
Total Zinc	mg/L	Cooling Tower Waste Tank	1/Month ²	Grab
128 Priority Pollutants, less Cu, Cr and Zn ³	mg/L	Cooling Tower Waste Tank	Annually ⁴	Grab

¹Continuous means uninterrupted except for brief lengths of time for calibration, for power failure, or for unanticipated equipment repair or maintenance. Sampling shall be taken at 3 hour intervals when continuous monitoring is not possible.

²Anytime facility is discharging, but preferably close to the end of the month.

³Submit the Priority Pollutant report on July 1 each year.

⁴Anytime the facility is discharging, but preferably in December or January.

B. Sampling and Analytical Procedures

Samples and measurements taken to meet the requirements of this permit shall be representative of the volume and nature of the monitored parameters, including representative sampling of any unusual discharge or discharge condition, including bypasses, upsets and maintenance-related conditions affecting effluent quality.

Sampling and analytical methods used to meet the water and wastewater monitoring requirements specified in this permit shall conform to the latest revision of the *Guidelines Establishing Test Procedures for the Analysis of Pollutants* contained in 40 CFR Part 136 or to the latest revision of *Standard Methods for the Examination of Water and Wastewater* (APHA), unless otherwise specified in this permit or approved in writing by the Department of Ecology (Department).

C. Flow Measurement

Appropriate flow measurement devices and methods consistent with accepted scientific practices shall be selected and used to ensure the accuracy and reliability of measurements of the quantity of monitored flows. The devices shall be installed, calibrated, and maintained to ensure that the accuracy of the measurements are consistent

with the accepted industry standard for that type of device. Frequency of calibration shall be in conformance with manufacturer's recommendations and at a minimum frequency of at least one calibration per year. Calibration records shall be maintained for at least three years.

D. Laboratory Accreditation

All monitoring data required by the Department shall be prepared by a laboratory registered or accredited under the provisions of, *Accreditation of Environmental Laboratories*, Chapter 173-50 WAC. Flow, temperature, settleable solids, turbidity, pH, and internal process control parameters are exempt from this requirement.

S3. REPORTING AND RECORDKEEPING REQUIREMENTS

The Permittee shall monitor and report in accordance with the following conditions. The falsification of information submitted to the Department shall constitute a violation of the terms and conditions of this permit.

A. Reporting

The first monitoring period begins on the effective date of the permit. Monitoring results shall be submitted monthly. Monitoring data obtained during the previous month shall be summarized and reported on a form provided, or otherwise approved, by the Department, and be postmarked or received no later than the 15th day of the month following the completed reporting period, unless otherwise specified in this permit. Priority pollutant analysis data shall be submitted no later than 45 days following the reporting period. The report(s) shall be sent to the Department of Ecology, Southwest Regional Office, P.O. Box 47775, Olympia, Washington 98504-7775.

Discharge Monitoring Report forms must be submitted monthly whether or not the facility was discharging. If there was no discharge or the facility was not operating during a given monitoring period, submit the form as required with the words "no discharge" entered in place of the monitoring results.

B. Records Retention

The Permittee shall retain records of all monitoring information for a minimum of three years. Such information shall include all calibration and maintenance records and all original recordings for continuous monitoring instrumentation, copies of all reports required by this permit, and records of all data used to complete the application for this permit. This period of retention shall be extended during the course of any unresolved litigation regarding the discharge of pollutants by the Permittee or when requested by the Director.

C. Recording of Results

For each measurement or sample taken, the Permittee shall record the following information: (1) the date, exact place, method, and time of sampling; (2) the individual who performed the sampling or measurement; (3) the dates the analyses were performed; (4) who performed the analyses; (5) the analytical techniques or methods used; and (6) the results of all analyses.

D. Additional Monitoring by the Permittee

If the Permittee monitors any pollutant more frequently than required by this permit using test procedures specified by Condition S2. of this permit, then the results of this monitoring shall be included in calculation and reporting of the data submitted in the Permittee's self-monitoring reports.

E. Noncompliance Notification

In the event the Permittee is unable to comply with any of the permit terms and conditions due to any cause, the Permittee shall:

1. Immediately take action to stop, contain, and cleanup unauthorized discharges or otherwise stop the violation, and correct the problem;
2. Repeat sampling and analysis of any violation and submit the results to the Department within 30 days after becoming aware of the violation;
3. Immediately notify the Department and the local sewage treatment plant manager of the failure to comply; and
4. Submit a detailed written report to the Department within thirty days (5 days for upsets and bypasses), unless requested earlier by the Department. The report should describe the nature of the violation, corrective action taken and/or planned, steps to be taken to prevent a recurrence, results of the resampling, and any other pertinent information.

Compliance with these requirements does not relieve the Permittee from responsibility to maintain continuous compliance with the terms and conditions of this permit or the resulting liability for failure to comply.

F. Dangerous Waste Discharge Notification

The Permittee shall notify the POTW and the Department in writing of the intent to discharge into the POTW any substance designated as a dangerous waste in accordance with the provisions of WAC 173-303-070. This notification shall be made at least 90 days prior to the date that discharge is proposed to be initiated.

G. Spill Notification

The Permittee shall notify the POTW immediately (as soon as discovered) of all discharges that could cause problems to the POTW, such as process spills and unauthorized discharges (including slug discharges).

S4. OPERATION AND MAINTENANCE

The Permittee shall at all times be responsible for the proper operation and maintenance of any facilities or systems of control installed to achieve compliance with the terms and conditions of the permit.

A. Operations and Maintenance Manual

An Operations and Maintenance (O&M) Manual shall be prepared by the Permittee in accordance with WAC 173-240-150 and be submitted to the Department for approval within 6 months after permit effective date. The approved Operations and Maintenance

Manual shall be kept available at the permitted facility and all operators shall follow the instructions and procedures of this manual.

In addition to the requirements of WAC 173-240-150(1) and (2), the O&M Manual shall include:

1. Emergency procedures for plant shutdown and cleanup in event of wastewater system upset or failure.
2. Wastewater system maintenance procedures that contribute to the generation of process wastewater
3. Any directions to maintenance staff when cleaning, or maintaining other equipment or performing other tasks which are necessary to protect the operation of the wastewater system (e.g. defining maximum allowable discharge rate for draining a tank, blocking all floor drains before beginning the overhaul of a stationary engine.)

B. Bypass Procedures

The Permittee shall immediately notify the Department and the receiving POTW of any spill, overflow, or bypass from any portion of the collection or treatment system.

The bypass of wastes from any portion of the treatment system is prohibited unless one of the following conditions (1, 2, or 3) applies:

1. Unavoidable Bypass—Bypass is unavoidable to prevent loss of life, personal injury, or severe property damage. “Severe property damage” means substantial physical damage to property, damage to the treatment facilities which would cause them to become inoperable, or substantial and permanent loss of natural resources which can reasonably be expected to occur in the absence of a bypass.

If the resulting bypass from any portion of the treatment system results in noncompliance with this permit the Permittee shall notify the Department and the receiving POTW in accordance with condition S3.E “Noncompliance Notification.”

2. Anticipated Bypass That Has The Potential to Violate Permit Limits or Conditions—Bypass is authorized by an administrative order issued by the Department. The Permittee shall notify the Department and the POTW at least 30 days before the planned date of bypass. The notice shall contain a description of the bypass and its cause; the duration of the bypass, including exact dates and times; and steps taken or planned to reduce, eliminate, and prevent reoccurrence of the bypass. The Department will consider the following prior to issuing an administrative order:
 - a. If the bypass is necessary to perform construction or maintenance-related activities essential to meet the requirements of the permit.
 - b. If there are feasible alternatives to bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, stopping production, maintenance during normal periods of equipment down time, or transport of untreated wastes to another treatment facility.

- c. If the bypass is planned and scheduled to minimize adverse effects on the public and the environment.

After consideration of the above and the adverse effects of the proposed bypass and any other relevant factors, the Department will approve or deny the request. The public shall be notified and given an opportunity to comment on bypass incidents of significant duration, to the extent feasible. Approval of a request to bypass will be by administrative order issued by the Department under RCW 90.48.120.

3. Bypass For Essential Maintenance Without the Potential to Cause Violation of Permit Limits or Conditions -- Bypass is authorized if it is for essential maintenance and does not have the potential to cause violations of limitations or other conditions of the permit, a violation of a pretreatment standard or requirement, or adversely impact public health as determined by the Department prior to the bypass.

S5. PROHIBITED DISCHARGES

A. General Prohibitions

The Permittee shall not introduce into the POTW pollutant(s) which cause Pass Through or Interference.

B. Specific Prohibitions

In addition, the following shall not be introduced into the POTW:

1. Pollutants which create a fire or explosion hazard in the POTW, including, but not limited to, waste streams with a closed cup flashpoint of less than 60°C (140°F) using the test methods specified in 40 CFR 261.21.
2. Solid or viscous pollutants in amounts which will cause obstruction to the flow in the POTW resulting in interference;
3. Pollutants which result in the presence of toxic gases, vapors, or fumes within the POTW in a quantity that may cause acute worker health and safety problems;
4. Any trucked or hauled pollutants, except at discharge points designated by the POTW.
5. Pollutants which will cause corrosive structural damage to the POTW.

C. Prohibited Unless Approved

1. Any of the following discharges are prohibited unless approved by the Department under extraordinary circumstances (such as a lack of direct discharge alternatives due to combined sewer service or a need to augment sewage flows due to septic conditions):
 - a. Noncontact cooling water in significant volumes.
 - b. Storm water and other direct inflow sources.

- c. Wastewaters significantly affecting system hydraulic loading, which do not require treatment or would not be afforded a significant degree of treatment by the system.
- 2. Unless specifically authorized in this permit, the discharge of dangerous wastes as defined in Chapter 173-303 WAC, is prohibited.

S6. DILUTION PROHIBITED

The Permittee shall not dilute the wastewater discharge with stormwater or increase the use of potable water, process water, noncontact cooling water, or, in any way, attempt to dilute an effluent as a partial or complete substitute for adequate treatment to achieve compliance with the limitations contained in this permit except as necessary to achieve temperature limits.

GENERAL CONDITIONS

G1. SIGNATORY REQUIREMENTS

All applications, reports, or information submitted to the Department shall be signed as follows:

- A. All permit applications shall be signed by either a principal executive officer or ranking elected official.
- B. All reports required by this permit and other information requested by the Department shall be signed by a person described above or by a duly authorized representative of that person. A person is a duly authorized representative only if:
 - 1. The authorization is made in writing by the person described above and is submitted to the Department at the time of authorization, and
 - 2. The authorization specifies either a named individual or any individual occupying a named position.
- C. Changes to authorization. If an authorization under paragraph B.2. above is no longer accurate because a different individual or position has responsibility for the overall operation of the facility, a new authorization must be submitted to the Department prior to or together with any reports, information, or applications to be signed by an authorized representative.
- D. Certification. Any person signing a document under this section shall make the following certification:

"I certify under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

G2. RIGHT OF ENTRY

Representatives of the Department shall have the right to enter at all reasonable times in or upon any property, public or private, for the purpose of inspecting and investigating conditions relating to the pollution or the possible pollution of any waters of the state. Reasonable times shall include normal business hours; hours during which production, treatment, or discharge occurs; or times when the Department suspects a violation requiring immediate inspection. Representatives of the Department shall be allowed to have access to, and copy at reasonable cost, any records required to be kept under terms and conditions of the permit; to inspect any monitoring equipment or method required in the permit; and to sample the discharge, waste treatment processes, or internal waste streams.

G3. PERMIT ACTIONS

This permit shall be subject to modification, suspension, or termination, in whole or in part by the Department for any of the following causes:

- A. Violation of any permit term or condition;

- B. Obtaining a permit by misrepresentation or failure to disclose all relevant facts;
- C. A material change in quantity or type of waste disposal;
- D. A material change in the condition of the waters of the state; or
- E. Nonpayment of fees assessed pursuant to RCW 90.48.465.

The Department may also modify this permit, including the schedule of compliance or other conditions, if it determines good and valid cause exists, including promulgation or revisions of regulations or new information.

G4. REPORTING A CAUSE FOR MODIFICATION

The Permittee shall submit a new application, or a supplement to the previous application, along with required engineering plans and reports, whenever a new or increased discharge or change in the nature of the discharge is anticipated which is not specifically authorized by this permit. This application shall be submitted at least 60 days prior to any proposed changes. Submission of this application does not relieve the Permittee of the duty to comply with the existing permit until it is modified or reissued.

G5. PLAN REVIEW REQUIRED

Prior to constructing or modifying any wastewater control facilities, an engineering report and detailed plans and specifications shall be submitted to the Department for approval in accordance with Chapter 173-240 WAC. Engineering reports, plans, and specifications should be submitted at least 180 days prior to the planned start of construction. Facilities shall be constructed and operated in accordance with the approved plans.

G6. COMPLIANCE WITH OTHER LAWS AND STATUTES

Nothing in the permit shall be construed as excusing the Permittee from compliance with any applicable federal, state, or local statutes, ordinances, or regulations.

G7. DUTY TO REAPPLY

The Permittee must apply for permit renewal at least 180 days prior to the specified expiration date of this permit.

G8. PERMIT TRANSFER

This permit is automatically transferred to a new owner or operator if:

- A. A written agreement between the old and new owner or operator containing a specific date for transfer of permit responsibility, coverage, and liability is submitted to the Department;
- B. A copy of the permit is provided to the new owner and the receiving POTW is notified and;
- C. The Department does not notify the Permittee of the need to modify the permit.

Unless this permit is automatically transferred according to section A. above, this permit may be transferred only if it is modified to identify the new Permittee and to incorporate such other requirements as determined necessary by the Department.

G9. REDUCED PRODUCTION FOR COMPLIANCE

The Permittee shall control production or discharge to the extent necessary to maintain compliance with the terms and conditions of this permit upon reduction of efficiency, loss, or failure of its treatment facility until the treatment capacity is restored or an alternative method of treatment is provided. This requirement applies in the situation where, among other things, the primary source of power for the treatment facility is reduced, lost, or fails.

G10. REMOVED SUBSTANCES

Collected screenings, grit, solids, sludges, filter backwash, or other pollutants removed in the course of treatment or control of wastewaters shall not be resuspended or reintroduced to the effluent stream for discharge.

G11. PAYMENT OF FEES

The Permittee shall submit payment of fees associated with this permit as assessed by the Department. The Department may revoke this permit if the permit fees established under Chapter 173-224 WAC are not paid.

G12. PENALTIES FOR VIOLATING PERMIT CONDITIONS

Any person who is found guilty of willfully violating the terms and conditions of this permit shall be deemed guilty of a crime, and upon conviction thereof shall be punished by a fine of up to ten thousand dollars and costs of prosecution, or by imprisonment in the discretion of the court. Each day upon which a willful violation occurs may be deemed a separate and additional violation.

Any person who violates the terms and conditions of a waste discharge permit shall incur, in addition to any other penalty as provided by law, a civil penalty in the amount of up to ten thousand dollars for every such violation. Each and every such violation shall be a separate and distinct offense, and in case of a continuing violation, every day's continuance shall be and be deemed to be a separate and distinct violation.

APPENDIX A - 126 PRIORITY POLLUTANT LIST

Volatiles

- 1 acrolein
- 2 acrylonitrile
- 3 benzene
- 4 bromoform
- 5 carbon tetrachloride
- 6 chlorobenzene
- 7 chlorodibromomethane
- 8 chloroethane
- 9 2-chloroethylvinyl ether
- 10 chloroform
- 11 dichlorobromomethane
- 12 1,1-dichloroethane
- 13 1,2-dichloroethane
- 14 1,1-dichloroethylene
- 15 1,2-dichloropropane
- 16 1,3-dichloropropylene
- 17 ethylbenzene
- 18 methyl bromide
- 19 methyl chloride
- 20 methylene chloride
- 21 1,1,2,2-tetrachloroethane
- 22 tetrachloroethylene
- 23 toluene
- 24 1,2-trans-dichloroethylene
- 25 1,1,1-trichloroethane
- 26 1,1,2-trichloroethane
- 27 trichloroethylene
- 28 vinyl chloride

Acid Compounds

- 29 2-chlorophenol
30 2,4-dichlorophenol
31 2,4-dimethylphenol
32 2-methyl-4,6-dinitrophenol
33 2,4-dinitrophenol
34 2-nitrophenol
35 4-nitrophenol
36 3-methyl-4-chlorophenol
37 pentachlorophenol
38 phenol
39 2,4,6-trichlorophenol

Base/Neutral

- 40 acenaphthene
- 41 acenaphthylene
- 42 anthracene
- 43 benzidine
- 44 benzo(a)anthracene
- 45 benzo(a)pyrene
- 46 benzo(b)fluoranthene
- 47 benzo(g,h,i)perylene
- 48 benzo(k)fluoranthene
- 49 bis(2-chloroethoxy)methane
- 50 bis(2-chloroethyl)ether
- 51 bis(2-chloroisopropyl)ether
- 52 bis(2-ethylhexyl)phthalate
- 53 4-bromophenyl phenyl ether
- 54 butylbenzyl phthalate
- 55 2-chloronaphthalene
- 56 4-chlorophenyl phenyl ether
- 57 chrysene
- 58 dibenzo(a,h)anthracene
- 59 1,2-dichlorobenzene
- 60 1,3-dichlorobenzene
- 61 1,4-dichlorobenzene
- 62 3,3'-dichlorobenzidine
- 63 diethyl phthalate
- 64 dimethyl phthalate
- 65 di-n-butyl phthalate
- 66 2,4-dinitrotoluene
- 67 2,6-dinitrotoluene
- 68 di-n-octyl phthalate
- 69 1,2-diphenylhydrazine
- 70 fluoranthene
- 71 fluorene
- 72 hexachlorobenzene
- 73 hexachlorobutadiene
- 74 hexachlorocyclopentadiene
- 75 hexachloroethane
- 76 indeno(1,2,3-cd) pyrene
- 77 isophorone
- 78 naphthalene
- 79 nitrobenzene
- 80 n-nitrosodimethylamine
- 81 n-nitrosodi-n-propylamine
- 82 n-nitrosodiphenylamine
- 83 phenanthrene
- 84 pyrene
- 85 1,2,4-trichlorobenzene

Pesticides

- 86 aldrin
- 87 alpha-BHC
- 88 beta-BHC
- 89 gamma-BHC
- 90 delta-BHC
- 91 chlordane
- 92 4,4'-DDT
- 93 4,4'-DDE
- 94 4,4'-DDD
- 95 dieldrin
- 96 alpha-endosulfan
- 97 beta-endosulfan
- 98 endosulfan sulfate
- 99 endrin
- 100 endrin aldehyde
- 101 heptachlor
- 102 heptachlor epoxide
- 103 PCB-1242 (Arochlor 1242)
- 104 PCB-1254 (Arochlor 1254)
- 105 PCB-1221 (Arochlor 1221)
- 106 PCB-1232 (Arochlor 1232)
- 107 PCB-1248 (Arochlor 1248)
- 108 PCB-1260 (Arochlor 1260)
- 109 PCB-1016 (Arochlor 1016)
- 110 toxaphene

Other Toxic Pollutants

- 111 Antimony
- 112 Arsenic
- 113 Asbestos
- 114 Beryllium
- 115 Cadmium
- 116 Chromium
- 117 Copper
- 118 Cyanide
- 119 Lead
- 120 Mercury
- 121 Nickel
- 122 Selenium
- 123 Silver
- 124 Thallium
- 125 Zinc
- 126 2,3,7,8-TCDD (dioxin)